

Db 2195 CGGTACGGTCCGCAACAGCGGAAAGCCGCCGCGAGAGGCTCTCCAGGCTACTCG 2254
QY 2234 AGCCCTCCAGAGCGGCGCAAGATTAAACCGCCCGCTCAAGAGAGCTTCAAGGCTTCCGAAG 2293
Db 2255 GAGCCAGCCCGCAAGTGAAGGCTCCGCGAGGCGCAAGAAAGTCTGGGCTACAGAAAG 2314
QY 2294 TCGAAGTCCGAGCCCGCGAGAGCAAGGCGGTGAC 2327
Db 2315 TCTCGCTCCGCGGCGAGGCGAAGAGCGGTGAC 2348

RESULT 3

US-09-861-289-23
; Sequence 23, Application US/09861289
; Patent No. US20020110897A1
; GENERAL INFORMATION:
; APPLICANT: Sherman, D.H.
; APPLICANT: Liu, H.
; APPLICANT: Xue, Y.
; APPLICANT: Zhao, L.
; TITLE OF INVENTION: DNA encoding methymycin and pikromycin
; FILE REFERENCE: 600,438US1
; CURRENT APPLICATION NUMBER: US/09/861,289
; PRIOR FILING DATE: 2001-05-18
; PRIOR APPLICATION NUMBER: 09/105,537
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 23
; LENGTH: 2430
; TYPE: DNA
; ORGANISM: Streptomyces venezuelae
US-09-861-289-23

Query Match 7.0%; Score 175.2; DB 10; Length 2430;

Best Local Similarity 47.6%; Pred. No. 1.2e-38;
Matches 1016; Conservative 0; Mismatches 968; Indels 150; Gaps 11;

QY 206 CGCTCGGTTCCATTCACCAACTCTGTCGAGAGGAGAGTGAATGAGGCAAG 265
Db 353 CCCTGGCCAGCACTTCGAGCAACATGGCGGACAGCTAGGCGCAAGTTCAGGCGCG 412
QY 266 AGCCATCGCTAAGAGTGGCGATGTGATCTCGCGCCGCACTATCAACTGCAAGCGTCC 325
Db 413 AGGTCGCGCGCTCAACAGAGCATGTCTGGGCCGATGATGAACAACATCCGCGTGC 472
QY 326 CTCTGTTGAGGAGTGTGATGATGATGATGATGATGATGATGATGATGATGATGAT 385
Db 473 CGCAGGCGGCGGAGACTAGAGACTTCAAGGAGAGCCCTGCTCTCTCGGCGACG 532
QY 386 CTGCGGCTCTTCCGCGGATTCAGAGCACTGAGTGAAGTCAAGCACTTTT 445
Db 533 CGGTGCCGATCAAGGCGATCCAGGGTGGGGTGTATGACCAAGCGCAAGCACTTGC 592
QY 446 TGTGCAATGATAGAGAGGAGCGCATGATGATGATGATGATGATGATGATGATGATG 505
Db 593 CGGCGCAACCAAGAGAGCAACCGCTTCTCTGTAACGCCAATGTCACAGCAGAGAGC 652
QY 506 TCCGTAATCTACGACATCCCGTTCAGATGCTGTGCGAGAGTCCCGAGCGGGGTGGT 565
Db 653 TCCGGAAGTGAATGATCCCGGCTTCGAG---GCTCTCTCAAGGCGCGGCGGCTCTT 709
QY 566 TCATGAGCGGCTAATGAGCATGAGTGTGTCGTCGAGAGAGAACCTTAATATCTTG 625
Db 710 TCATGTGTGCTCAACAGGCGCTCAAGGGAAGCGCTCTCTGCGGCAACAGAGCTCTCA 769
QY 626 ATGGATGCTTTCGAAGAGATGGGTTGGATGCTTATATATGAGCAGCTGTGAGCGCA 685
Db 770 ACAAGCTGTCTGCGAGCAGAGTGGGCTTTCAGAGGCTGGGATGATCCGACTGCTCGCA 829
QY 686 CATACAGTACCAAGAGCGGTTGGAGAGGCTGAGAGCTGAGAGTCCGCGGAGACTCCAC 745
Db 830 C---CCGCGGCGACGAGCGCATCAACAAAGGCTTCGACAGAGATG----- 873

QY 746 GCTTCGAGAGAAACACTCAAGTTCAAGCTTTCACAGGAAAGCCCTTATCCAGCTCA 805
Db 874 -----GGGCTGAGACTCCCGGCGAGCTCCCGAAGGCGAGCCCTCCGCGCGCA 925
QY 806 TTGACAGAGGCTAGGGAAGTTCTTCAAGTTCGTCAGAAAGTGTGCTCCGAGTGA 865
Db 926 AGTTCTTCGGGA---GGCCTGAAGAGCGGCTCTTGAAGGCGACAGTCCCGAGGCG 982
QY 866 CGGAGAGAGGCGCGGAGAGCATGTCAACAACACCCCGAAGAGGCGAGCTCTCTCCGA 925
Db 983 CCGTGAAGCGGCTGCGGAGAGGATGCTCCGCGCAAGATGAGAAAGTTGCTGCTCTCG 1042
QY 926 AGTTGCAACAGAGGCGATGCTGCTGTAAGAGAGAAACAGTTTCCCTTGAAGA 985
Db 1043 CCACCTCCGCGCGCGCGCGAGAGGCGCAAGAGGCGGCTGCCAGGCGGTCTCCGCAAG 1102
QY 986 AGAAGAAAGAGCGCTATTTGTGGCCCAAGCCCAAGAGGCGACATACAGGCGGAG 1045
Db 1103 TCGCCGAGAGCGGCGGCTCTCTGCGCAAGAGGCGCGGCTGCGGCTGCGCGGTG 1162
QY 1046 GCTTCGCGGCTACGAGGCGCTTACAGCACTGCTCTTTCAGAGGCGCTCAGAGCAG 1105
Db 1163 AGCGCGCAAGAGCATGCGGTCAATGCGCCGAGCGCGCTCGAC-CCCAAGTCAAGCGG 1221
QY 1106 TCGAGAGCGCGCATGCTACAGCGTCCGCTCAACACCGCTTCCCTTTCAGAGG 1165
Db 1222 CTGGGAGAGCGCGCGCTGCTCCGAGTCCGCGGAGTCCGCGGCGGCTGCGACATCAAGGCG 1281
QY 1166 AGCAGTGCCTCAGCGCGCGAGGCGCTCCGCGCATGCGCTGAGAGGCTTTCAGAGC 1225
Db 1282 CGCGCGGCTGCGGCTGAGAGTACGATGAGAGAGGCTGAGAGAGCTTCCGCGAGCG 1341
QY 1226 CTGTACCCCTTAACCGCGGAGCATGAGAGCTTCTTCAACAGAGAGCATCAAC 1285
Db 1342 ATCCCGCGGAGAGACTCAGC-----CCGCGTTCAAGC 1375
QY 1286 TGTGAGCTACTACACCCAGGCGGAGAGAGCGGATGAGAGAGGAGGAGCGT 1345
Db 1376 AGGCGCACAGCTGAGAGCGGAGAGGCGGCGGCTGTACAGGCGAGCGTACCGGTG 1435
QY 1346 ACACCGCGGAGAGAGTACAGTACAGTCCGCTCTGCTGCTGCGGAGCGGCAAGG 1405
Db 1436 CGCGGAGGCGGATTAACGATCGGCTGCTCCAGCGGCTGTTACGCGAGCTGAG- 1494
QY 1406 CGTACGTAGAGACCAAGCTGCTGTCGACAAAGCCCAAGAGAGCGGAGTCCG 1465
Db 1495 -----CTCGGAGGCACA 1507
QY 1466 TCTTCGCGCTCCGCGAGGAGAGAGAGCGGCGCATCAATCTGTCAGAGGAGCAAGCT 1525
Db 1508 CCAATGAGCGCGGTGAGAGTCTACGCGAAGGTGAGAGCGCGCTCTCAAGCTGACCAAG 1567
QY 1526 ACAAGTCAAGATGAGTGGGCTCCGCGACCCATCAACCCCTCAAGAGGAGAGACCAT 1585
Db 1568 GCAGGACAGAGCT-----CAGATCTCGGCTTCCGATTA 1603
QY 1586 TCCCGGCGAGCGGCTCCGCTCCGCTGCGGCGGTGCAAGGCTCATTTGAGAGAGAGG 1645
Db 1604 GTGCGACCGCGCTCTCTGAGAGTGGGCTGAGAGCGGCGGCGGAGAGAGAGAGCA 1663
QY 1646 TCGAAGATCGCTGCGGCTTCCGCAAGAGAGCAGACAGGTCATCATCTCGGCGGCTT 1705
Db 1664 TCGGAGAGGCGGTGAGAGTCCGCGAGAGGCGCGTACGCGGCGGTCTCTCG- 1715
QY 1706 AGCGCGAGTGGAGAGAGGAGGAGGCGGAGAGCGGCGGAGAGTCAAGTCCCGGCTG 1765
Db 1716 -CTAGCAGAGCGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1774
QY 1766 ACCAGCTATTCGCGAGAGTGGCGCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1825
Db 1775 ACAAGCTGATCTGCGCTGTGCGGAGCGCAACCCGAGAGAGATGCTGATCAACAGCG 1834

Db 5081 ACAAGCTGCTGGACAGCGAGTGGGGCTTCCAGGGCTGGGTATGTCGACGTGGCTGGCA 5140
Qy 686 CATACAGTACACAGAGCCGTTGTGGACAGGCTTGCAGCTGAGATGCCCCAGCTCCAC 745
Db 5141 C---CCCCGGCACCGCGCATACCAAGGGCTTCAGCAGAGATG----- 5184
Qy 746 GCTTCGAGGAGAAACATCAAGTTCAAGTCTCCACAGGAAAGCCCTTATCCAGCTCA 805
Db 5185 -----GGCTTCAGAGCTCCCGGAGCTCCCGAAGGGGAGCCCTTCGCGCGGCA 5236
Qy 806 TTGACAGAGGGCTAGGAGATTCTTCACTGCTCAAGAAATGTCTCTCCGAGATGA 865
Db 5237 AGTTCTTGGGCA---GGGCTGAAGAGCGGCTCTCTGAAGCGGAGGCTCCGAGCGG 5293
Qy 866 CGAGAGAGCGCCCGAGAGAGCTGTCACACACCCCGCAAGGAGGAGCTCTCCCGGA 925
Db 5294 CGGTGACGGGTGGGGGAGGAGATGTCGGCCAGATGAGAAATTCGGTCTGCTCG 5353
Qy 926 AGGTTGGCAAGAGGAGCATCTGCTGTAAGAAAGAGAAACGTTCTGCCCTTGAGCA 985
Db 5354 CCACTCCGGGCGCGGGCCGAGCGGAGACAGAGGGGTGCCAGGGGGGTCTCCGCAAG 5413
Qy 986 AGAAGAGAGAGAGCTGATTTGCGGCCCAACGCAAGAGGCGCAATACACAGCGGAG 1045
Db 5414 TCGCCAGAGAAAGCGCGGCTGCTCTGCGACAGAGGAGGCGCTGCGCGCTGCGCGGTG 5473
Qy 1046 GCTCTGCGGACATCAAGGCTACTAGGAGTACGAGTACCTCTTGAAGGCGCTACAGAGC 1105
Db 5474 AGCCCGGCAAGAGCATGCGGTATGCGCCGAGCGGCGTGCAC---CCAGAGTCAACGGC 5532
Qy 1106 TCGAGAGCGCCGATGATGATACCGTGGCGCTTACACACACGCTCTCCATTTAGGCG 1165
Db 5533 CTGGGAGAGGCGGACAGTCTCCGAGCTCGGGGCGGCGCACTGACACATCAAGGCG 5592
Qy 1166 AGCAGTGCCTCAAGCCCGAGCGGCGCTCGGGGATGCGCTGGAGGCTTTCAACGAGCC 1225
Db 5593 CGCGGCGGTGCGGCTGCGAGCGGTGACGTACGAGAGCGGAGAACTCTCGGAGCGAG 5652
Qy 1226 CTGCTACCCCTTAACCGCGAGCATATTGACGAGCTCTTCTTCAACAAGAGGAGCATGACC 1285
Db 5653 ATCCCGCGGGGAACTCTGAC-----CCGGCGTTCAACC 5686
Qy 1286 TGGTGGACTACTACACCCCAAGCGCGAGACAGTGTGACGCGACATGAGGGGACGT 1345
Db 5687 AGGGCCACAGCTCGAGCGGCGGAGGCGGCGCTGTACAGCGGACGACGTGACCGTGC 5746
Qy 1346 ACAAGCCGACAGAGAGCTGACCTTACAGCTGGGCTCTGCTCTGCGGACAGGCAAGG 1405
Db 5747 CGGCGAGGCGAGTACCGCATCGGCTCGTGCACACCGGTGTACCGCAGGTGACG- 5805
Qy 1406 CGTACGTAGACGACGAGCTGCTGTGACACAGCCACCAAGAGGTCCCGCGGATGCT 1465
Db 5806 -----CTCGGCGACCCACA 5818
Qy 1466 TCTTGCGCTCCGACCCGCGAGAGAGCGGCGCATYATCTGTCAAGGGCAACAGT 1525
Db 5819 CCATCGAGGCGGTGAGTCTACGCGCAAGGTAGAGCCGCTCTCAAGCTGACCAAGG 5878
Qy 1526 ACAAGTTCAAGATGAGTTGCGGTCCGACCCACCTACACCTCAAGGCGGAGCAGCATCG 1585
Db 5879 GCAAGGACAAAGT-----CACGATCTCGGGCTTCGCGATCA 5914
Qy 1586 TCCCGGCGACGAGCTCTCCGCTGCGGCGGCTGCAAGGTCAATTAACGACAGCGGAAA 1645
Db 5915 GTGCGACCCCGCTCTCTCTGAGCTGGGTGAGCGCGGCGGCGGCGGAGAGCA 5974
Qy 1646 TCGAAAAGTCCGCTCGCCCTCGCCAGAGACGACGACGATCATCTGCGGCGGCTTTA 1705
Db 5975 TCGCGAAGGCGGTGAGTGGCGGCGGAGGCGCGGTACGCGGCTGCTTCG----- 6026
Qy 1706 AGCGGACTGGAGAGCCGAGGCGCGGAGCCGCGGAGCATGAACTCCCGCGCTGCTGG 1765

Db 6027 -CTAGCAGAGAGCGACCGAGGCGCTGACCGCTCCGAACCTGTGCTGCGGAGTACGAGG 6085
Qy 1766 ACCAGCTATTTGGCGAGGTGGCGCGCGGAAACCCAAACACCGTGTGATGACAGCG 1825
Db 6086 ACAAGCTGATTCGGCTGTGCGGAGCCCAACCCGAAACAGATGTGTCTTCAACAGCG 6145
Qy 1826 GCACCCCGAGAGATCCCTGAGCTGACGACGACAGCCGCGCGCTGATCAGGCTGTAGC 1885
Db 6146 GTTGTGGTGTGATGCGCGGTGTCGAAAGACCCGCGGCTGTGACATGTGTGATC 6205
Qy 1886 GCGGCAAGAGAGCGGAGCTCCATTTGCGAGCGTGTGTGCGACTTACAGCCCTCGG 1945
Db 6206 CGGGCAGGCGGCGGAGGCGCACCGCGCTGTCTTACGAGTACGTAACCCGAGCG 6265
Qy 1946 GCAAGCTGTCCCTGAGTTCGCG-----AAGCGCTGACGAGACACCCGCGTTTC 1996
Db 6266 GCAAGCTCAGCAAGCTTCCCGGCGCGCGCGGAGAAACAGACGAGGTGCGGAGAGCGA 6325
Qy 1997 TCAACTTCGACGAGCGCGGCGGACGCTGTACGCGGAGAGAGTGTACGTGGGTACA 2056
Db 6326 CAACTACCGCGGCGGTGACAGCAGCAGAGTACCGCGAGGAGCATCACGTGGGTAC 6385
Qy 2057 GGTACTAGAGTTTGGCGACAGAGAGCTCAATTCCCTTGGCACAGGCTGCTCTACA 2116
Db 6386 GCTGTTGACAGAGAGAGAGCTCAAGCCGCTGTTCCTTCGCGGACGCGCTGTCTACA 6445
Qy 2117 CCATTTTGGCTTTCCATCTCTCGTGTCTCAAGAGAC---GGCAAGCTGAGCGGTG 2173
Db 6446 CTTGTTTACAGAGAGGCGCGCGGACGCTGTGCTGTGCTGACAGGAGGTGTGAAGTCA 6505
Qy 2174 CCTCTCCGTGAGAGACAGCGGCTCGTCCCGGCGGACAGGTGCGGCTTACTGTCA 2233
Db 6506 CGGTACGCGTCCGACAGCGGAGGAGCGCGCGCGGAGGAGTGTCTACAGGCTGCTCG 6565
Qy 2234 AGCCCTCCAGAGGCGCAAGTTAACCGCCCGGCAAGAGGCTTCAGAGGCTTCGCAAGG 2293
Db 6566 GTGCGAGCGAGAGCTGAGCGCTCCGAGGCGAAGAAAGCTGTGGGCTTACAGAGG 6625
Qy 2294 TCGAAGTGCAGCCCGGAGAGAGAGCGGTGAC 2327
Db 6626 TCTGCTGCGCGGCGGAGGCGAAGAGCGGTGAC 6659

RESULT 7
US-09-880-1/c
: Sequence 1, Application US/0980880
: Publication No. US2003027287A1
: GENERAL INFORMATION:
: APPLICANT: Belach, Mary C.
: APPLICANT: Shah, Sanjay Krishnakant
: APPLICANT: McDaniel, Robert
: TITLE OF INVENTION: RECOMBINANT OLEANDOLIDE POLYKETIDE SYNTHASE
: FILE REFERENCE: 30062-20029.00
: CURRENT APPLICATION NUMBER: US/09/808,880
: PRIOR FILING DATE: 2001-03-14
: PRIOR APPLICATION NUMBER: US/09/428,517
: PRIOR FILING DATE: 1999-10-28
: PRIOR APPLICATION NUMBER: 60/120,254
: PRIOR FILING DATE: 1999-02-16
: PRIOR APPLICATION NUMBER: 60/106,100
: PRIOR FILING DATE: 1998-10-29
: NUMBER OF SEQ ID NOS: 12
: SOFTWARE: Patent In Ver. 2.1
: SEQ ID NO 1
: LENGTH: 50937
: TYPE: DNA
: ORGANISM: Artificial Sequence
: FEATURE:
: OTHER INFORMATION: Description of Artificial Sequence: Recombinant DNA
US-09-880-880-1

Query Match

5.5%; Score 138.6; DB 9; Length 50937;

APPLICANT: Bylina, Edward
APPLICANT: Swanson, Ronald V.
APPLICANT: Mathur, Eric J.
APPLICANT: Lam, David E.
TITLE OF INVENTION: ENZYMES HAVING GLYCOSIDASE ACTIVITY AND METHODS OF USE THEREOF
FILE REFERENCE: 09010-024006
CURRENT APPLICATION NUMBER: US/10/093,037
CURRENT FILING DATE: 2002-03-06
PRIOR APPLICATION NUMBER: US 09/910,579
PRIOR FILING DATE: 2001-07-20
PRIOR APPLICATION NUMBER: US 09/134,078
PRIOR FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 08/949,026
PRIOR FILING DATE: 1997-10-10
PRIOR APPLICATION NUMBER: US 60/056,916
PRIOR FILING DATE: 1996-12-06
NUMBER OF SEQ ID NOS: 72
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO: 5
LENGTH: 2166
TYPE: DNA
ORGANISM: Thermotoga maritima
US-10-093-037-5

Query Match . . . 5.4%; Score 135.8; DB 9; Length 2166;
Best Local Similarity 53.5%; Pred. No. 9,8e-28;
Matches 284; Conservative 0; Mismatches 247; Indels 0; Gaps 0;

QY 207 GCTCGGTTCCATTCACCAACCTGCTCGAAGAGGAGGATGATGATGGGCAACA 266
DB 258 GCTCGGTTCTACTGAGACAGACCTTCTGGAAGAGGAGGAGGAGGAGGAGGAG 317
QY 267 GGCATCGCTAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 326
DB 318 AGTTAGGAGATAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 377
QY 327 TCTCGGTTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 386
DB 378 TCTTGTGGAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 437
QY 387 TGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 446
DB 438 TTGAGGCTTTGTAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 497
QY 447 GTCAATGATCAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 506
DB 498 CGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 557
QY 507 CGGTGAATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 566
DB 558 CAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 617
QY 567 CAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 626
DB 618 GATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 677
QY 627 TGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 686
DB 678 GAG 737
QY 687 ATACAGTACCAAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 737
DB 738 AGACAGCCTGTAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 788

RESULT 10
US-09-790-399-7
Sequence 7, Application US/09790399
Patent No. US20020038000A1
GENERAL INFORMATION:
APPLICANT: Gold, Larry
APPLICANT: Tuerk, Craig
APPLICANT: Pridnow, David

APPLICANT: Smith, Jonathan D.
TITLE OF INVENTION: Systematic Polypeptide Evolution by Reverse Translation
FILE REFERENCE: NEX02/C1-CON2
CURRENT APPLICATION NUMBER: US/09/790,399
CURRENT FILING DATE: 2001-02-22
PRIOR APPLICATION NUMBER: 09/197,649
PRIOR FILING DATE: 1998-11-23
PRIOR APPLICATION NUMBER: 07/829,461
PRIOR FILING DATE: 1992-01-31
PRIOR APPLICATION NUMBER: 07/739,055
PRIOR FILING DATE: 1991-08-01
PRIOR APPLICATION NUMBER: 07/561,968
PRIOR FILING DATE: 1990-08-02
NUMBER OF SEQ ID NOS: 26
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 7
LENGTH: 390
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Sequence
OTHER INFORMATION: having a 120 repeat of ACG flanked by fixed
OTHER INFORMATION: fragments having NcoI restriction sites.
US-09-790-399-7

Query Match . . . 3.4%; Score 84.4; DB 10; Length 390;
Best Local Similarity 51.9%; Pred. No. 1.1e-13;
Matches 190; Conservative 0; Mismatches 176; Indels 0; Gaps 0;

QY 1323 GTAGCCGACATGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1382
DB 8 GAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG 67
QY 1383 CGTCGTCGCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1442
DB 68 CGAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG 127
QY 1443 CAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1502
DB 128 CGAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG 187
QY 1503 CAATCTGCTCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1562
DB 188 CGAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG 247
QY 1563 CACCTCTAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1622
DB 248 CGAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG 307
QY 1623 GGTCTTGAAGCAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1682
DB 308 CGAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG 367
QY 1683 GGTCTAT 1688
DB 368 GGTCTAT 373

RESULT 11
US-09-748-033-2
Sequence 2, Application US/09748033
Patent No. US20020069431A1
GENERAL INFORMATION:
APPLICANT: Broadway, Roxanne M.
APPLICANT: Gonzora, Carmena E.
TITLE OF INVENTION: EFFECT OF ENDOCHITINASE AND CHITOSIDASE AND THEIR
TITLE OF INVENTION: ENCODING GENES ON PLANT GROWTH AND DEVELOPMENT
FILE REFERENCE: 19603/3091
CURRENT APPLICATION NUMBER: US/09/748,033
CURRENT FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/172,003
PRIOR FILING DATE: 1999-12-23
NUMBER OF SEQ ID NOS: 8

SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 2
 LENGTH: 1294
 TYPE: DNA
 ORGANISM: Streptomyces albidoflavus
 US-09-748-033-2

Query Match 3.1%; Score 78.2; DB 10; Length 1294;
 Best Local Similarity 43.8%; Pred. No. 8.2e-12;
 Matches 396; Conservative 0; Mismatches 503; Indels 6; Gaps 1;

1224 CCTGTTGATCCCTTACCGCCAGACATGACAGCTTTCTTACCAAGACGACATGCA 1283
 209 CCCCCCTCCGACCCCGCGCCGCCCTCCACGCCCGCTCCACCGCGAGGCGCGCT 268
 1284 CCTGTTGATCCCTTACCGCCAGACATGACAGCTTTCTTACCAAGACGACATG 1343
 269 GACCGCGCCCTTACCGCCAGACATGACAGCTTTCTTACCAAGACGACATG 1403
 1344 GTACACGCGCGAGAGAGCTGACCTGAGCTGCGCTGCTGCGGCAAGGCA 1403
 329 GACCGCGCGAGAGAGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 388
 1404 GCGCTAGCTAGAGACCACTGCTGCTGACAAACGCGCGCGCGCGCGCGCGCG 1463
 389 GGTACCGGCTTACGAGCACTTCAACAACGCGCGCGCGCGCGCGCGCGCGCG 448
 1464 CTCTTGGCTCCG 1523
 449 GCGCGAGCGCTTACGACATCATG-----CGCTCTCTTCCGCGCGCGCGCG 502
 1524 GTACAGTTCAAGATGAGTTCGCTGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1583
 503 GGGGAGATACCTTACCGCTGAGCTGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 552
 1584 GGTCCCG 1643
 563 CCGGCG 622
 1644 AATGAAAGTCCGTCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1703
 623 CGAGAGGCG 682
 1704 TAACG 1763
 683 CTACG 742
 1764 GGACG 1823
 743 CAATCCG 802
 1824 GGGGCG 1883
 803 GGTCTTACCG 862
 1884 CGGCG 1943
 863 GACG 922
 1944 GGGGCG 2003
 923 CTGATCTGCG 982
 2004 CCGGCG 2063
 983 GCTGCG 1042
 2064 CGAGTTGCG 2123
 1043 CGCTTCCCG 1102
 2124 TGCGT 2128

Db 1103 GCGACT 1107

RESULT 12
 US-09-748-033-6
 Sequence 6, Application US/09748033
 Patent No. US20020069431A1
 GENERAL INFORMATION:
 APPLICANT: Broadway, Roxanne M.
 APPLICANT: Gongora, Carmanza E.

TITLE OF INVENTION: EFFECT OF ENDOCHITINASE AND CHITINOBIOSIDASE AND THEIR
 TITLE OF INVENTION: ENCODING GENES ON PLANT GROWTH AND DEVELOPMENT
 FILE REFERENCE: 19603/3091
 CURRENT FILING DATE: 2000-12-22
 PRIOR APPLICATION NUMBER: 60/172,003
 PRIOR FILING DATE: 1998-12-23
 NUMBER OF SEQ ID NOS: 8
 SOFTWARE: PatentIn Ver. 2.1
 SEQ ID NO 6
 LENGTH: 1107
 TYPE: DNA
 ORGANISM: Streptomyces albidoflavus
 US-09-748-033-6

Query Match 3.0%; Score 76.2; DB 10; Length 1107;
 Best Local Similarity 45.7%; Pred. No. 2.8e-11;
 Matches 390; Conservative 0; Mismatches 448; Indels 15; Gaps 3;

1129 GTGCGCGCGCTTACCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1188
 118 GCG 1177
 1189 GCG 1248
 178 GAGTGGTGGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 237
 1249 ATTGAGAGCTCTTCTTCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1308
 238 CTCCGAGAGCTCAAGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 297
 1309 GCGCGAGAGCGGTGATCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1368
 298 ACTGCTGCG 357
 1369 TACGAGCTGGGCTGCTGCTGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1428
 358 CAGGAGCTGG-----TGAGAGAGCGCGCGCGCGCGCGCGCGCGCGCGCG 414
 1429 GTGCGAGAGCG 1488
 415 TGGAGATACCGCGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 474
 1489 GAGAGCG 1548
 475 AACATGCTCGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 534
 1549 TCGGAGCG 1608
 535 GCGGAGCG 594
 1609 GTGCG 1662
 595 TTGAGATGATCAAGTATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 654
 1663 CTGCGCGAG 1722
 655 ACCG 714
 1723 GAGGCG 1782
 715 GCG 774

1783 GTGGCCGCGCGAACCACCAACCGTCTGTCATGACAGAC-----CGGGACACCCCGAG 1836
1775 ATGGGCTTTACGAGCGCGGCGGTGACCGGCGTACACCGAGACGCCCGGGGCGGACCGCC 834
1837 GAGATGCTTGTGCTGACGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1896
835 ACCG 894
1897 ACCG 1956
895 ACCG 954
1957 CTCAGCTTCCCA 1969
955 TGGAGCTACGACA 967
Db 955 TGGAGCTACGACA 967

RESULT 13
US-09-748-033-4
Sequence 4, Application US/09748033
Patent No. US20020069431A1
GENERAL INFORMATION:
APPLICANT: Broadway, Roxanne M.
APPLICANT: Gongora, Carmenza E.
TITLE OF INVENTION: EFFECT OF ENDOCHITINASE AND CHITINBIOSIDASE AND THEIR
FILE REFERENCE: 19603/3091
CURRENT APPLICATION NUMBER: US/09/748,033
PRIOR APPLICATION NUMBER: 60/172,003
PRIOR FILING DATE: 1999-12-23
NUMBER OF SEQ ID NOS: 8
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 4
LENGTH: 2712
TYPE: DNA
ORGANISM: Streptomyces albidoflavus
US-09-748-033-4

Query Match 3.0%; Score 76.2; DB 10; Length 2712;
Best Local Similarity 45.7%; Pred. No. 3.6e-11;
Matches 390; Conservative 0; Mismatches 448; Indels 15; Gaps 3;

1129 GTGGCGCGCTACACACCGCTTCTCCATTTAGGAGACAGTGTCTCAACGCCCGGAGCGC 1188
1685 GCGCGGCAAGTGCACACATCGGTGACAGCTTGCCTGACGACAGCGCTCAACGCCCGGAG 1744
1189 GCTCCGCGCATGCGCTGAGAGGCTTTCACAGACCGCCCTGCTACCCCTTAACGCCCGGAG 1248
1745 GAGTGGTTCAGCGCGCTGCGCGACCTTGGACACCGCGCTGCGCGGCACTTCAACGAG 1804
1249 ATTGACGAGCTCTTCTTCAACAGAGAGAGACCTGCTGCTGAGTACTACACGCCCGGAG 1308
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1369 TAGGAGCTGCGCGCTGCTGCTGCGCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1428
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1429 GTGGAGACAGCGCAAGAGAGTCCCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 1488
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1663 CTCGCGAG 1722
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2282 GCGCGCGCGAG 2341
1783 GTGGCGCGCGGAG 1836
2342 ATCGGCTTCTACGAGCGCGGCGGTGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2401
1837 GAGATGCTTGTGCTGACGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1896
2402 ACCG 2461
1897 ACCG 1956
2462 ACTGCG 2521
1957 CTCAGCTTCCCA 1969
2522 TGGAGCTACGACA 2534
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RESULT 14
US-09-815-242-7960
Sequence 7960, Application US/09815242
Patent No. US20020061569A1
GENERAL INFORMATION:
APPLICANT: Haselbeck, Robert
APPLICANT: Ohlson, Karl L.
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APPLICANT: Wall, Daniel
APPLICANT: Trawick, John D.
APPLICANT: Carr, Grant J.
APPLICANT: Yamamoto, Robert T.
TITLE OF INVENTION: Identification of Essential Genes in
FILE REFERENCE: ELITRA-011A
CURRENT APPLICATION NUMBER: US/09/815,242
PRIOR APPLICATION NUMBER: 60/191,078
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PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
NUMBER OF SEQ ID NOS: 14110
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 7960
LENGTH: 1914
TYPE: DNA
ORGANISM: Pseudomonas aeruginosa
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(1914)
US-09-815-242-7960

Db 1033 CTGCAGGCCAGTTGCGCAACAGACATCGTTTCAAGCAGAGAGGCGGCGACCCC 1092
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